NPDES Discharge Monitoring Report - Oregon Department of Environmental Quality (p. 1 of 2)

WS005

Facility Name	City of Molalla WWTP	**Phone #**	(503) 793-5283	**Month/Year**	05/2021
DEQ Permit #	101514	**DEQ File #**	57613	**EPA Reference #**	
Plant Type	Pre aerated lagoons with filtration	**County**	Clackamas	**Population Served**	9960

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Legally Authorized Signature

6/7/2021 — Date

Jake Ehredt — Name

Operator Certification

Collection System Class	2	**Principal Operator**	Adam Shultz	**Cert. #/Grade**	12190/II
Treatment System Class	3	**Principal Operator**	Jake Ehredt	**Cert. #/Grade**	13453/III

Su, M, T, W, Th, F, Sa	Day of Month	INFLUENT Temperature	INFLUENT pH	INFLUENT Flow	INFLUENT BOD composite Concentration	INFLUENT BOD composite Loading		INFLUENT TSS composite Concentration	INFLUENT TSS composite Loading	EFFLUENT: REUSE FOR IRRIGATION Temperature	EFFLUENT pH	EFFLUENT Flow	EFFLUENT DO	EFFLUENT BOD Concentration	EFFLUENT BOD % Removal	EFFLUENT BOD Loading	EFFLUENT TSS Concentration	EFFLUENT TSS % Removal	EFFLUENT TSS Loading	EFFLUENT NUTRIENTS Total Kjedahl Nitrogen	EFFLUENT NUTRIENTS Total Phosphorus	EFFLUENT NUTRIENTS Ammonia Nitrogen	EFFLUENT NUTRIENTS ALKALINITY	EFFLUENT NUTRIENTS NO2 + NO3 Nitrogen-N	EFFLUENT DISINFECTION Chlorine Amount Used	EFFLUENT DISINFECTION Chlorine Total Residual	EFFLUENT Turbidity	EFFLUENT COLIFORM E. Coli	EFFLUENT COLIFORM MPN	EFFLUENT COLIFORM MF Total	RECEIVING STREAM	Dilution	Stream Flow	Temperature			DAILY LOG Breakdowns, bypassing, odors, complaints, etc.	Day of Month
		°C	SU	MGD	mg/L	lbs		mg/L	lbs	°C	SU	MGD	mg/L	mg/L		lbs	mg/L		lbs	mg/L	mg/l	mg/L		mg/L	lbs	mg/L	NTU	CFU/100 mL					CFS	°C					
Sa	1		6.5	0.730																																			1
Su	2		6.1	0.640																																			2
M	3	16.1	6.8	0.616																																			3
T	4	16.2	6.7	0.613	172	879		166	849																														4
W	5	16.3	5.8	0.594																																			5
Th	6	16	6.8	0.602	146	733		171	859																														6
F	7	16.2	7.2	0.573								0.105													18												Start to fill Eff line. No water to field	7
Sa	8		6.7	0.553																																			8
Su	9		6.5	0.569																																			9
M	10	16.7	6.7	0.561								0.553													42	5.70	0.7										Start irrigation	10
T	11	16.9	6.8	0.536	169	755		186	831		7.4	0.862													27	2.50	0.3			<1								11
W	12	17	6.8	0.542							7.3	0.871													12	2.30	0.3			<1								12
Th	13	17.2	6.7	0.534	206	917		191	851			1.107													33	0.60	0.3			<1								13
F	14	17.1	6.7	0.533								0.792													25	1.28	0.4			<1								14
Sa	15		6.7	0.520								0.576													17	0.80	0.3			<1								15
Su	16		6.5	0.545								0.574													14	1.26	0.4			8.5								16
M	17	17.6	6.9	0.554							7.4	0.982													27	0.91	0.4			<1								17
T	18	17.4	7	0.524	202	883		201	878		7.8	1.391													38	1.60	0.4			<1								18
W	19	17.2	6.8	0.551	149	685		191	878			1.466													42	1.04	0.3			<1								19
Th	20	17	6.7	0.587								1.436													63	0.72	0.3			<1								20
F	21	17.4	6.9	0.559								0.981													39	1.08	0.3			<1								21
Sa	22		6.9	0.532								0.611													21	1.57	0.3			<1								22
Su	23		6.3	0.568								0.55													32	0.80	0.3			3.1								23
M	24	17.1	5.5	0.580							7.4	0.185													14	1.18											Stop irrigation	24
T	25	17.2	6.8	0.616	131	673		182	935																														25
W	26	17.4	6.8	0.559	152	709		195	909																														26
Th	27	17.2	6.4	0.586																																			27
F	28	17.6	6.8	0.549								0.087													2		0.4										fill irrigation line	28
Sa	29		6.7	0.529								0.390													11	3.97	0.5										start irrigation	29
Su	30		6.5	0.523								0.749													24	2.30	0.3			<1								30
M	31		6.4	0.562								0.887													34	0.70	0.3			<1								31
Total				17.640		6234			6990			15.155													535													
Daily Min		16.0	5.5	0.520	131	673		166	831		7.3	0.087													2	0.60	0.3			3.1								
Daily Max		17.6	7.2	0.730	206	917		201	935		7.8	1.466													63	5.70	0.7			8.5								
Wkly Avg																																							
Mo Avg		16.9		0.569	166	779		185	874		7.4	0.758													27	1.68	0.4			5.8								
Daily Limits																											<2.0			23								
Wkly Limits																														2								
Mo Limits																																							

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WS005

Facility Name	City of Molalla WWTP	**Month/Year**	05/2021	**Laboratory Name:**	Edge Analytical
DEQ Permit #	101514	**DEQ File #**	57613	**ORELAP Lab ID#:**	3254/3255

Explanation of permit limit exceedances (include description, cause, and steps taken or plans to reduce, eliminate, or prevent recurrence of noncompliance; attach additional pages if needed):

Mail original to:
Oregon DEQ NWR
700 NE Multnomah St. Suite 600
Portland, OR 97232

Notes: *Indicate sample type for TSS, BOD, CBOD, and nutrients and test method for coliform.
*If a sewer system overflow occurs at more than one location, attach an additional report.
*If groundwater monitoring is required, report data in accordance with permit conditions.
*For additional information, refer to: *Oregon DEQ Completing DMRs*

Su, M, T, W, Th, F, Sa	Day of Month	AERATION BASIN						LAGOON OR POLISHING POND						SOLIDS						AEROBIC DIGESTER CELL #1				AEROBIC DIGESTER CELL #2				SEWER SYSTEM OVERFLOW		SEWER SYSTEM BYPASS		RECLAIMED WATER			Rainfall (inches)	Operator(s) Time Onsite (hrs/day)	Day of Month
								Primary Cell			Secondary Cell																	outfall:		outfall:		outfall:					
		MCRT	Sludge Volume Index	MLSS	pH	Temp	DO	Depth	DO		Depth	DO		TS to Digester	Transported to other WWTF	Quantity Land Applied	% Volatile Solids Reduction	Alkaline Product (insert Type)	Septage Received	% Total Solids	Temperature	pH		VA/Alkalinity	Temperature	pH		Flow	Duration	Flow	Duration	Volume Land Applied	Acres Irrigated	Quantity Irrigated			
		Days			SU	°C	mg/L	Feet	mg/L		Feet	mg/L				gal		lbs/gal	gal			SU				SU		gal	hrs	gal	hrs	MGD	acres	in/acre			
Sa	1																																		0.00	4	1
Su	2																																		0.00	4	2
M	3					17.3	3.77	11.0	6.99		7.0	4.88																							0.14	9	3
T	4					17.1	4.31	10.9	1.33		7.4	3.66																							0.00	9	4
W	5					17.2	2.72	10.5	2.12		7.9	2.46																							0.18	9	5
Th	6					18.0	1.88	10.5	2.52		8.2	3.40																							0.02	9	6
F	7					16.9	3.80	10.5	1.90		8.3	3.62																							0.00	8	7
Sa	8																																		0.00	4	8
Su	9																																		0.00	4	9
M	10					18.2	0.58	10.4	5.32		8.8	3.31																							0.00	9	10
T	11					17.8	2.07	10.4	3.26		8.8	1.83																							0.00	9	11
W	12					18.5	1.71	10.3	8.30		8.8	2.27																							0.00	9	12
Th	13					19.3	1.45	10.5	8.88		8.6	2.31																							0.00	9	13
F	14					18.5	4.50	10.6	7.78		8.4	2.42																							0.00	8	14
Sa	15							10.9			8.2																								0.00	6	15
Su	16																																		0.00	6	16
M	17					19.2	1.16	11.3	11.81		7.8	8.46																							0.00	9	17
T	18					18.9	2.99	11.6	8.29		7.4	10.24																							0.00	9	18
W	19					18.8	1.65	11.2	10.44		7.5	9.98																							0.26	9	19
Th	20					17.7	2.51	11.5	9.31		7.7	9.81																							0.12	9	20
F	21					17.6	2.10	10.8	4.40		7.8	6.28																							0.00	9	21
Sa	22							10.7			7.8																								0.00	6	22
Su	23							10.7			7.9																								0.11	6	23
M	24					17.7	1.90	10.7	6.03		8.0	1.68																							0.22	6	24
T	25					17.9	2.56	10.9	6.59		8.1	1.34																							0.10	9	25
W	26					17.8	3.96	10.9	7.02		8.2	1.21																							0.08	9	26
Th	27					18.1	2.27	11.0	6.95		8.3	1.82																							0.04	9	27
F	28					18.0	3.00	11.0	8.12		8.3	10.76																							0.00	8	28
Sa	29																																		0.00	6	29
Su	30																																		0.00	6	30
M	31																																		0.00	6	31
Total																																			1.27	232	
Daily Min						16.9	0.58	10.3	1.33		7.0	1.21																							0.00	4	
Daily Max						19.3	4.50	11.6	11.81		8.8	10.76																									
Wkly Avg Max																																					
Monthly Avg						18.0	2.54	10.8	6.37		8.1	4.59																							0.04	7.5	

During this reporting period did all monitoring data and sampling frequencies meet permit reqiurements and limits? If "no," explain. [x] Yes [ ] No

During this reporting period were there unanticipated bypasses or upsets which exceeded any effluent limits? If "yes," explain. [ ] Yes [x] No

During this reporting period were there any sewer system overflows? If "yes," explain. [ ] Yes [x] No

Energy	Used	Cost	Comments
Power KWH			
Fuel Gas			
Oil			

Additional Notes (reference attachments here)

REUSE: City of Molalla

WS005

Day	Header FM MGD	Plant total Inches/acre	Nursery MGD	Inches/acre	North Coleman MGD	Inches/acre	South Coleman MGD	inches/acre	Jorgensen MGD	Inches/acre	Cemetary MGD	Inches/acre	WWTP Irrigation pump #1 MGD	Total Irr. MGD
5/1/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/2/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/3/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/4/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/5/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/6/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/7/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/8/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/9/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/10/2021		0.0		0.0	0.553	0.1		0.0		0.0		0.0		0.553
5/11/2021		0.0		0.0	0.862	0.1		0.0		0.0		0.0		0.862
5/12/2021		0.0		0.0	0.871	0.1		0.0		0.0		0.0		0.871
5/13/2021		0.0		0.0	0.738	0.1	0.369	0.1		0.0		0.0		1.107
5/14/2021		0.0		0.0	0.792	0.1		0.0		0.0		0.0		0.792
5/15/2021		0.0		0.0	0.576	0.1		0.0		0.0		0.0		0.576
5/16/2021		0.0		0.0		0.0	0.574	0.1		0.0		0.0		0.574
5/17/2021		0.0		0.0	0.655	0.1	0.327	0.1		0.0		0.0		0.982
5/18/2021		0.0		0.0	0.927	0.1	0.464	0.1		0.0		0.0		1.391
5/19/2021		0.0		0.0	0.977	0.1	0.489	0.1		0.0		0.0		1.466
5/20/2021		0.0		0.0	0.957	0.1	0.479	0.1		0.0		0.0		1.436
5/21/2021		0.0		0.0	0.654	0.1	0.327	0.1		0.0		0.0		0.981
5/22/2021		0.0		0.0		0.0	0.611	0.1		0.0		0.0		0.611
5/23/2021		0.0		0.0	0.550	0.1		0.0		0.0		0.0		0.550
5/24/2021		0.0		0.0	0.185	0.0		0.0		0.0		0.0		0.185
5/25/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/26/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/27/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/28/2021		0.0		0.0		0.0		0.0		0.0		0.0		0.000
5/29/2021		0.0		0.0	0.390	0.1		0.0		0.0		0.0		0.390
5/30/2021		0.0		0.0	0.375	0.1	0.375	0.1		0.0		0.0		0.749
5/31/2021		0.0			0.444	0.1	0.444	0.1				0.0		0.887
TOTAL	**0.000**	**0.0**	**0.000**	**0.0**	**10.505**	**1.4**	**4.457**	**0.9**	**0.000**	**0.0**	**0.000**	**0.0**	**0.000**	**14.963**
MAX	**0.000**	**0.0**	**0.000**	**0.0**	**0.977**	**0.1**	**0.611**	**0.1**	**0.000**	**0.0**	**0.000**	**0.0**	**0.000**	**1.466**
MIN	**0.000**	**0.0**	**0.000**	**0.0**	**0.185**	**0.0**	**0.327**	**0.0**	**0.000**	**0.0**	**0.000**	**0.0**	**0.000**	**0.000**
AVG	**#DIV/0!**	**0.0**	**#DIV/0!**	**0.0**	**0.657**	**0.0**	**0.446**	**0.0**	**#DIV/0!**	**0.0**	**#DIV/0!**	**0.0**	**#DIV/0!**	**0.469**
PERMIT #	**101514**													
FILE #	**57613**													